University of Glasgow.

FACULTY OF MEDICINE.

PROGRAMME OF COURSES,

REGULATIONS FOR GRADUATION,

AND

BURSARIES AND PRIZES

OPEN FOR COMPETITION.

1893-94.

GLASGOW:
JAMES MACLEHOSE & SONS, 61 ST. VINCENT STREET,
Publishers and Booksellers to the University.
1893.

GLASGOW UNIVERSITY CALENDAR.

The Glasgow University Calendar contains a history of the University, and an account of its present Constitution and Government; statements regarding the various Faculties and Classes; the Regulations and Subjects of Examination for Degrees in Arts, Science, Medicine, Law, and Divinity; the questions proposed to Candidates for Degrees; the annual Graduation and Prize Lists; and the Bursaries, Scholarships, Fellowships, and other Endowments of the University.

It also contains an abstract of the Proceedings of the University Court; a Statement of the Annual Income and Expenditure of the University; a List of the Members of the General Council; a List of the recognized Extra-Academical Lecturers; and notices of the various Students' Societies.

The Calendar is published by James MacLehose & Sons, 61 St. Vincent Street, Glasgow. Price 3s., by post 3s. 6d.

University of Glasgow,
July, 1893.

Programme of the Courses.

SESSION 1893-94.

The WINTER SESSION will be opened with an Introductory Address by PROFESSOR CHARTERIS, M.D., *on Thursday, the 19th October, 1893*, and will close *on Friday, the 23rd March, 1894.*

Classes.	*Hours.*	*Class Fees.*	*Professors.*
Natural History, Zoology,	9 a.m. . (Oct.),	£3 3 0[1]	PROF. YOUNG.
——— *Geology,*	5.30 p.m. . (Jan.),	3 3 0[1]	
Zoological Laboratory,	10 a.m. to 1 p.m. (Jan.), .	3 3 0[1]	
Botanical Laboratory, (Jan., Feb., Mar.),	10 a.m.,	2 2 0	PROF. BOWER.
Clinical Medicine, . .	9 a.m., . .	(see p. 5)	PROF. M'CALL ANDERSON and PROF. GAIRDNER.
Clinical Surgery, . .	9 a.m., . .	(see p. 5)	PROF. GEORGE BUCHANAN and PROF. MACEWEN.
Chemistry, ...	10 a.m., . . .	3 3 0[1]	PROF. FERGUSON.
Chemical Laboratory, . .	10 a.m. to 4 p.m.,	10 10 0	
Junior Anatomy, . .	2 p.m., . .	3 3 0[2]	PROF. CLELAND and Demonstrators.
Senior Anatomy, . .	11 a.m., . .	3 3 0[2]	
Practical Anatomy, . .	9 a.m. to 4.45 p.m.,	3 3 0	
Practice of Medicine, . .	11 a.m., . .	3 3 0[2]	PROF. GAIRDNER.
Materia Medica, . . .	12 noon, . .	3 3 0[1]	PROF. CHARTERIS.
Institutes of Medicine, .	12 noon, . .	3 3 0[1]	PROF. M'KENDRICK and Muirhead Demonstrator.
Physiological Laboratory, .	10 a.m. to 4 p.m., .	—	
Surgery, ...	1 p.m., . .	3 3 0[2]	PROF. MACEWEN.
Forensic Medicine (in Summer), ...		3 3 0[2]	PROF. P. A. SIMPSON.
Midwifery, ...	2 p.m., . .	3 3 0[2]	PROF. LEISHMAN.
Diseases of Women (in Summer), . . .		2 2 0	PROF. LEISHMAN.
Pathology, . . .	3 p.m., Mon., Wed., Fri.,	5 5 0[3]	Dr. Joseph Coats, Lecturer.
Lectures on the Eye (in Summer), . . .		2 2 0	Dr. T. Reid, Lecturer.
Insanity (in Summer), ...		2 2 0	Dr. Yellowlees, Lecturer.

[1] Fee for a Second Session, £2 2s.
[2] Fee for a Second Session, £2 2s.; for a Third Session, £1 1s.
[3] In two courses, the Fee for the first taken being £3 3s., for the second £2 2s.

The SUMMER SESSION (*1894*) will be opened *on Monday, 23rd April*, and will close *on Friday, 20th July.*

Classes.	*Hours.*	*Class Fees.*	*Professors.*
Botany (College),	8 a.m.,	£3 3[1]	PROF. BOWER.
Botanical Laboratory,	9 a.m. to 4 p.m.,	2 2	
Botanical Demonstrations,		—	
Clinical Medicine,	9 a.m.,	(see p. 5)	PROF. M'CALL ANDERSON and PROF. GAIRDNER.
Clinical Surgery,	9 a.m.,	(see p. 5)	PROF. GEORGE BUCHANAN and PROF. MACEWEN.
Physics,	11 a.m.,	3 3	LORD KELVIN and Mr. M. Maclean.
Practical Chemistry,	9 to 11 a.m.,	3 3[2]	PROF. FERGUSON.
Chemical Laboratory,	10 a.m. to 4 p.m.,	5 5	
Organic Chemistry,		—	
Anatomical Lectures,	11 a.m.,	2 2	PROF. CLELAND and Demonstrators.
Practical Anatomy,	8 a.m. to 3 p.m.,		
Forensic Medicine,	11 a.m.,	3 3[2]	PROF. SIMPSON.
Zoological Laboratory,	10 a.m. to 1 p.m.,	3 3[2]	PROF. YOUNG.
Practical Materia Medica,	12 noon,	3 3[2]	PROF. CHARTERIS.
Practical Physiology,[3]	12 noon,	3 3[2]	PROF. M'KENDRICK and Muirhead Demonstrator.
Physiological Laboratory,	10 a.m. to 4 p.m.,	—	
Practical Pathology,[3]	12 noon,		Dr. Joseph Coats, Lecturer.
Practice of Medicine,	1 p.m., Tu. and Th.,	[4]	PROF. GAIRDNER.
Operative Surgery,	1 p.m.,[5]	2 2	PROF. MACEWEN.
Diseases of Women,	2 p.m., Tu., Th., Fri.,	2 2	PROF. LEISHMAN.
Lectures on the Eye,	2 p.m., Tu. and Th.,	2 2[6]	Dr. T. Reid, Lecturer.
Insanity,	12 noon, Wed. (University), 3 p.m., Wed., 10 a.m., Sat. (Gartnavel),—	2 2	Dr. Yellowlees, Lecturer.

[1] Fee for a Second Session, £2 2s.; for a Third Session, £1 1s.

[2] Fee for a Second Session, £2 2s.

[3] After first Lecture, the Class will meet in three divisions, 8 to 9 a.m., 11 a.m. to 12 noon, and 12 noon to 1 p.m.

[4] Open to all Matriculated Students of the University who have completed their Second Winter of Medical study. This course is supplementary to the Winter course, and takes up special subjects, to be announced in the Summer bills.

[5] Also at other hours as may be arranged.

[6] Includes fee for attendance at Eye Infirmary.

In addition to the University Courses, the following Hospitals and Dispensaries afford ample means for Practical Instruction in the various departments of Medicine and Surgery :—

WESTERN INFIRMARY.—This Hospital contains 400 beds for medical and surgical patients, including Wards for Skin Diseases, and one for diseases peculiar to females. *Physicians*—Prof. W. T. Gairdner, M.D., LL.D., F.R.S.; Prof. T. M'Call Anderson, M.D.; James Finlayson, M.D.; Gavin P. Tennent, M.D.; Samson Gemmell, M.D.; Prof. W. Leishman, M.D. (*Diseases of Women*). *Assistant Physicians*—John Alexander, M.D.; William G. Dun, M.D. *Surgeons*—Prof. George Buchanan, M.D., LL.D.; A. Patterson, M.D.; Hector C. Cameron, M.D.; Professor William Macewen, M.D., LL.D. *Honorary Consulting Ophthalmic Surgeon*—T. Reid, M.D. *Assistant Surgeons*—J. C. Renton, M.D.; George T. Beatson, M.D. *Dispensary Physicians*—R. Stevenson Thomson, M.B.; George Dickson, M.D.; C. O. Hawthorne, M.B.; James Hinshelwood, M.D.; John H. Carslaw, M.B. *Extra Dispensary Physicians*—R. M. Buchanan, M.B.; A. W. Russell, M.A., M.D. *Dispensary Physicians for Diseases of Women*—W. L. Reid, M.D.; Robert Kirk, M.D.; Murdoch Cameron, M.D. *Dispensary Surgeons*—T. K. Dalziel, M.D.; Duncan Macartney, M.B.; James H. Nicoll, M.B. *Extra Dispensary Surgeons*—Andrew Moyes, M.B.; Thomas H. Bryce, M.B. *Dispensary Surgeon for Diseases of the Ear*—Thomas Barr, M.D. *Dispensary Surgeon for Diseases of the Throat*—J. Walker Downie, M.B. *Surgeon Dentist*—W. D. Woodburn, L.D.S. *Pathologist*—Joseph Coats, M.D. *Vaccinator*—William MacLennan, M.B. *Medical Superintendent*—Donald J. Mackintosh, M.B. *Lady Superintendent*—Miss E. Clyde. *Secretary*—Henry Johnston, 125 Buchanan Street. The hour of visit is 9 A.M. The Dispensary for Out-Patients is open daily at 2 P.M. Vaccination—Mondays and Thursdays at 12 noon. The station is recognized by the Local Government Board. Fee, £1 1s. According to the present arrangement admission to the practice of this Infirmary is subject to the following regulations :—

1. That every student paying at the commencement of his First Year a Fee of £10 10s., will be entitled to admission to the Infirmary, and also to attend Courses of Clinical Instruction during the winter and summer of the said year.

2. That every student who has thus paid £10 10s., and shall at the commencement of his Second Year pay a further Fee of £10 10s., will have the privilege of admission to the Infirmary, and to the several courses of Clinical Instruction during his lifetime.

3. That the Fee for Hospital Attendance and Clinical Instruction for Six Months only be £7 7s.

4. That the Fee for Hospital Attendance and Clinical Instruction for Three Months only be £4 4s.

5. Any student who shall have paid Fees to the amount of £21 or upwards, in the payments as stated above, shall be entitled to a Ticket, admitting him to the Infirmary, and to the Clinical Instruction during his lifetime.

6. There shall be two courses of Clinical Instruction—the one in the Winter, and the other in the Summer session.

Students who have taken the Hospital Ticket previous to 1st October, 1876, will continue at the scale of Fees then in use, but an additional payment of £10 10s. will make them perpetual students of the Hospital, and admit also to the Clinical Classes under the above rules.

Students who have completed their Clinical Course elsewhere shall be permitted to enter for a six months' course of the *Hospital only*, on payment of a Fee of £2 2s.

Out-Door Visitation.—Senior Students who have passed their Third Professional Examination are permitted to visit the sick poor in the Anderston district, under the supervision of certain Professors of the University and assistants.

Royal Infirmary.—Hour of Visit—Surgical, 9 a.m.; Medical, 10 a.m. Clinical Lectures given by the Physicians and Surgeons. Fees for Hospital attendance and Clinical Instruction—same as in the Western Infirmary, excepting fee for six months, which is £6 6s. in the Royal Infirmary.

Eye Infirmary, 170 Berkeley Street.—Hour of Visit, 1 p.m. daily. Fee for six months, £2 2s.; free to those attending, or who have attended, the Lectures on the Eye delivered in the University.

INSANITY.—During the Summer Session Dr. Yellowlees gives in the University a Course of Lectures on Insanity at 12 noon on Wednesdays, and Clinical Instruction at the Glasgow Royal Asylum, Gartnavel, at 3 P.M. on Wednesdays and 10 A.M. on Saturdays. Fee for the combined Course, £2 2s.

There are also Dispensaries for Diseases of the Skin and Ear, and Clinical Instruction in Fevers is given at the Belvidere Hospital.

CLASSES IN THE FACULTY OF MEDICINE.

The Faculty of Medicine embraces the Classes of Practice of Medicine, Anatomy, Natural History, Surgery, Midwifery, Chemistry, Botany, Materia Medica, Institutes of Medicine, Medical Jurisprudence, Clinical Surgery, Clinical Medicine, Pathology, and the Summer Course of Physics for medical students, on all of which attendance is required for the Degree of M.B. To this Faculty also belong the Lectureship on Diseases of the Eye, the Lectureship on Insanity, and the Courses of instruction necessary for the Diploma in Public Health.

REGULATIONS FOR GRADUATION IN MEDICINE AND SURGERY.

The Degrees in Medicine and Surgery conferred by this University are all recognised by the Medical Acts as qualifying for practice throughout the British dominions, and for admission to the Army, Navy, and Public Medical Service.

Every student who began his medical studies previous to 1st January, 1892, is entitled to graduate under the system in force before or after that date, according as he shall comply with the regulations in force in the University before[1] or after that date. All others must fulfil the requirements of the new Ordinance—(Ordinance No. 14, Glasgow No. 1, Regulations for Degrees in Medicine)—the principal provisions of which are as follows :—

I. Four degrees in Medicine and Surgery are conferred by the University of Glasgow, viz., Bachelor of Medicine (M.B.), Bachelor of Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.). The degree of Bachelor of Surgery shall not be conferred on any person who does not at the same time obtain the degree of Bachelor of Medicine,

[1] These regulations are printed at pp. 17-22.

and the degree of Bachelor of Medicine shall not be conferred on any person who does not at the same time obtain the degree of Bachelor of Surgery.

II. Subject to regulations to be made from time to time by the University Court, the University may also confer diplomas in Special Branches of Medical and Surgical Practice on graduates of the University in Medicine and Surgery.

III. Before commencing his medical studies, each student must pass a preliminary examination[1] in (1) English, (2) Latin, (3) Elementary Mathematics, and (4) Greek or French or German: provided always that, in the case of a candidate whose native language is not English, an examination in the native language of the candidate may be substituted for one in either French or German, and an examination in any other classical language for one in Latin or Greek.[2]

IV. The extent and standard of the preliminary examination shall be determined by the Joint Board of Examiners constituted under Ordinance, General, No. 8—[Regulations as to Examinations]—in accordance with the terms of that Ordinance.

Under this Section the Joint Board have determined that for the Medical Preliminary Examination in October, 1893, the papers set in Latin, Greek, and Mathematics, shall be the same as those set on the lower standard in these subjects in the Arts Preliminary Examination; and that the papers set in English, French, and German, shall be of a lower standard than those set in these subjects in the Preliminary Examination in Arts.[3] A candidate for the Medical Preliminary may take the papers set on the higher standard for the Arts Preliminary in any of the subjects, and if he obtains a satisfactory percentage of marks, he shall be held to have passed the Medical Preliminary in these subjects.

V. The preliminary examination is conducted in accordance with the provisions of Ordinance, General, No. 8—[Regulations as to Examinations]—and, subject to the provisions of the immediately succeeding section hereof, the entire examination must be passed at one and the same time.

VI. A degree in Arts, or in Science (not being a degree *honoris causa tantum*), in any of the Universities of the United Kingdom, or in any

[1] A Local Centre in connection with this Examination has been established in the University College of North Wales, Bangor. Candidates who prefer to sit for examination there must intimate their desire when returning schedule of entry to Glasgow. Such Candidates are required, on taking their seats at Bangor, to pay to the College Authorities there a special fee of 5s. This is in addition to the ordinary fee, payable at Glasgow, as mentioned at page 28. The examinations are held simultaneously in Bangor and Glasgow.

[2] The candidate for the Degrees of Bachelor of Medicine and Bachelor of Surgery must have been registered in the books of the General Medical Council at least five years prior to the date of his graduation. In order to be so registered he must transmit to James Robertson, Esq., the Scottish Branch Registrar, 1 George Square, Edinburgh, together with a printed form of application, which may be obtained from the Assistant-Clerk (Matriculation Office), a certificate of having passed the Preliminary Examination.

[3] For details of Examination in September-October, 1893, see pp. 26-28.

Colonial or Foreign University specially recognised for the purpose by the University Court, shall exempt from the preliminary examination; and the Joint Board of Examiners appointed under the provisions of Ordinance, General, No. 8—[Regulations as to Examinations]—shall have power to determine what examinations, other than those for the degrees hereinbefore mentioned, shall be accepted, either in whole or in part, in place of the preliminary examination.

Under this Section the Joint Board have determined:—(*a*) to accept such Certificates as may have been obtained previous to October, 1892, as equivalent to the Preliminary Examination in Medicine for October, 1893, provided that such Certificates would have been accepted for this purpose under the regulations in force at this University in October, 1892; (*b*) to accept the Leaving Certificates of the Scotch Education Department in any Grade, whether obtained this year or at an earlier date as equivalent to the Preliminary Examination in Medicine in October, 1893; and (*c*) to accept the Examinations of certain Universities and Colleges as equivalent to the Preliminary Examination in Medicine in October, 1893, and thereafter, provided always that the regulations of the General Medical Council regarding the registration of students of Medicine be complied with. A list of these Examinations will be found at page 29.

Professional Education.

VII. Candidates shall be admitted to the degree of Bachelor of Medicine and Bachelor of Surgery only after they have fulfilled the following conditions:—

1. The candidate must have been engaged in medical study for at least five years.
2. In each of the first four years the candidate must have attended at least two courses of instruction, in one or more of the subjects of study specified in Sub-section 4 hereof—each course extending over a session of not less than five months, either continuous or divided into two terms; or, alternatively, one such course, along with two courses, each extending over a session of not less than two and a half months.
3. During the fifth or final year the candidate shall be engaged in clinical study for at least nine months at one or more of such public hospitals or dispensaries, British or Foreign, as may be recognised for the purpose by the University Court.
4. The candidate must, during his curriculum, have attended a course or courses of instruction in each of the following subjects of study, including such examinations as may be prescribed in the various classes, viz.:—

1. Anatomy, - - - - - -	During a course of not less than five months.
2. Practical Anatomy, - - -	During two courses of not less than five months each.

3. Chemistry, - - - - - -	During courses of not less than five months.
4. Materia Medica and Therapeutics,	
5. Physiology or Institutes of Medicine, - - - - - -	
6. Practice of Medicine, - - -	
7. Surgery, - - - - - - -	
8. Midwifery and the Diseases peculiar to Women and Infants. Two courses of Midwifery, of three months each, provided different departments of Obstetric Medicine be taught in each of the courses, shall be reckoned equivalent to a course of not less than five months,	
9. Pathology, - - - - - -	
10. Practical Chemistry, - - -	During courses of not less than two and a half months.
11. Physics (including the Dynamics of Solids, Liquids, and Gases, and the Rudiments of Sound, Heat, Light, and Electricity), - -	
12. Elementary Botany, - - -	
13. Elementary Zoology, - - -	
14. Practical Physiology, - - -	
15. Practical Pathology, - - -	
16. Medical Jurisprudence and Public Health, - - - - - -	

Provided always, in so far as regards the University of Glasgow, that—

(*a*) It shall be the duty of the Senatus to determine from time to time the number of meetings of which such courses shall consist, and in what cases two half courses shall be deemed equivalent to a full course; and to report the determination to the University Court for its approval.

(*b*) It shall be the duty of the Professors and Lecturers to submit to the Senatus annually at the end of the winter session a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus shall transmit such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(*c*) The University Court shall not grant or continue recognition to any institutions or teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

5. The candidate must have attended for at least three years the Medical and Surgical Practice of a General Hospital at Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons, and is recognised for the purpose by the University Court.[1]

[1] On 7th October, 1892, the University Court recognised every General Hospital in the United Kingdom which accommodates not fewer than eighty patients, *and possesses a distinct staff of physicians and surgeons.*

6. The candidate must have attended Clinical Surgery during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Surgery, or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary surgeons of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
7. The candidate must have attended Clinical Medicine during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Medicine or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary physicians of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
8. The candidate must have attended a course of instruction in Mental Diseases of such duration, and so apportioned between lectures, demonstrations, and clinical instruction, as the Senatus, with the approval of the University Court, may from time to time determine.
9. The candidate must have attended a course of twenty-five meetings on Practical Pharmacy in a University or recognised School of Medicine, or have dispensed drugs for a period of three months in an hospital or dispensary, or in an establishment recognised by the Pharmaceutical Society.
10. The candidate must have attended, for at least six months, by apprenticeship or otherwise, the out-practice of an hospital, or the practice of a dispensary, or of a physician or surgeon, or of a member of the London or Dublin Society of Apothecaries. He must have acted as clerk in the medical and dresser in the surgical wards of a public hospital; and must also have availed himself, to such an extent as may be required by the Senatus, with the approval of the University Court, of opportunities of studying, at an hospital or dispensary, *Post-mortem* Examinations, Fevers, Diseases of Children, Ophthalmology, or such other special departments as may from time to time be determined.
11. The candidate must have attended, under the superintendence of a registered medical practitioner, twelve cases of labour, or such additional number as the Senatus, with the sanction of the University Court, may from time to time determine; or have attended for three months the practice of a lying-in hospital, or of the maternity department of a general hospital or other public charitable institution, and have conducted personally six, or such an additional number of cases of labour as the Senatus, with the approval of the University Court, may from time to time determine.
12. The candidate must have been properly instructed in Vaccination at a Public Vaccination Station, by a Public Vaccinator, authorised by the proper Government Authority to grant Certificates of Proficiency in Vaccination.[1]

[1] The recognized Vaccine Departments in Glasgow are--Western Infirmary, Royal Infirmary, and Faculty of Physicians and Surgeons.

13. No candidate for a degree shall be deemed to have attended a class as part of the Curriculum necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

VIII. With respect to the Places and Institutions at which the studies of the Candidate may be prosecuted, the following Regulations shall have effect:—

1. Two of the five years of medical study must be spent in the University of Glasgow, each year of study including always the attendances specified in Section VII., Sub-section 2.
2. The remaining three years may be spent in any University of the United Kingdom, or in any Indian, Colonial, or Foreign University recognised for the purpose by the University Court, or in such Medical Schools or under such Teachers as may be recognised for the purpose by the University Court, each year of study during the first four years including always the attendances specified in Section VII., Sub-section 2.
3. Of the subjects of study specified in Section VII., Sub-section 4, not less than eight must be taken in the University of Glasgow, or (subject always to the provisions as to attendance contained in the immediately preceding sub-sections) in some other University of the United Kingdom, or in some Foreign or Colonial University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court, or in a College incorporated with, or affiliated to a University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court: Provided always that where in any of said subjects of study two or more courses are required, the taking of one of those courses shall constitute a taking of the subject for the purpose of this sub-section.
4. The remainder of such subjects of study may (subject always as aforesaid) be taken in such Medical Schools or under such Teachers as may be recognised for the purpose by the University Court.
5. All Candidates, not Matriculated Students of the University, availing themselves of the permission to attend the Lectures of Extra-Academical Teachers in Glasgow, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a Fee of the same amount as the Matriculation Fee paid by Students of the University, and having, in respect of such payment, a right to the use of the Library of the University.
6. The Fee for attendance, for purposes of graduation, on the courses of instruction of recognised Extra-Academical Teachers in Glasgow, shall be not less than the amount exigible for the corresponding courses in the University.
7. The University Court shall not recognise as qualifying for examination in any of the subjects specified in Section VII., Sub-section 4, the class of any teacher who is at the time a teacher of more than one of the said subjects, except in those cases where

Professors in the University are at liberty to teach two subjects: —Provided always that a Professor or other teacher in any endowed public College or Institution, who by the terms of his appointment is required to teach more than one subject of Medical Study therein, may be recognised under sub-section 2 of this section, as a teacher of any one of the subjects which he teaches.

8. A teacher, attendance on whose course of instruction shall, before the date of the approval of this Ordinance by Her Majesty in Council, have been recognised for the purposes of graduation in the University, shall not require to obtain a new recognition from the University Court; and attendance on the course of instruction of every such teacher may continue to be recognised as heretofore.

9. It shall be in the power of the University Court, if it shall see cause, at any time to withdraw or suspend any recognition which it may have granted.

IX. In the University of Glasgow it shall be the duty of the Professors of the subjects specified in Section VII., Sub-section 4 hereof (except Practical Anatomy and such other subjects as the Senatus, with the approval of the University Court, may from time to time determine), so to conduct the courses that Students may receive instruction sufficient for graduation in any one of the said subjects by attendance on one course of five or six months, or of two and a half or three months, as the case may be.

X. If any candidate shall, before presenting himself for his Preliminary Examination, have attended in any University of the United Kingdom, or in any University or Institution specially approved, or under any Teacher specially recognised for the purpose by the University Court, a course or courses of instruction in Physics, Chemistry, Botany, or Zoology, equivalent in the judgment of the Senatus to the qualifying course in the same subject in the University of Glasgow, such attendance shall (notwithstanding anything hereinbefore ordained) be held as entitling him to be examined in these subjects; and if the candidate shall have attended such course or courses in each of the said subjects, he shall be held to have completed his first year of Medical Study: Provided always that the evidence of such attendance at such equivalent course or courses shall be presented to the Senatus at the time when the candidate presents himself for his Preliminary Examination; and the Senatus shall, if satisfied, grant a certificate to that effect.

Professional Examination for the Degrees of Bachelor of Medicine and Bachelor of Surgery.[1]

XI. Each candidate shall be examined both in writing and orally, and also clinically where the nature of the subject admits, in the following divisons, viz.:—*First*, in Botany, Zoology, Physics, and Chemistry; *Second*, in Anatomy, Physiology, and Materia Medica and Therapeutics; *Third*, in Pathology and Medical Jurisprudence and Public Health;

[1] For Table of Fees and dates of examinations see page 23.

Fourth, in Surgery and Clinical Surgery, Practice of Medicine and Clinical Medicine, and Midwifery.

In subjects which admit of practical instruction, the examination shall be such as to test the practical acquirements of the candidate.

Provided always that if a candidate have obtained in a University of the United Kingdom, or other University specially recognised for the purpose by the University Court, a Degree in Science or in Arts, granted in either case after a course of study and an examination in Botany, Zoology, Physics, and Chemistry, he shall be held to have passed his examinations in the said subjects.

XII. Candidates who profess themselves ready to submit to an examination in the subjects comprised in the first division, viz. :—Botany, Zoology, Physics, and Chemistry, may be admitted to examination in all or any two of these subjects at any examination held after they have attended a full course in each of the subjects professed.

XIII. Candidates who have passed their examinations in the subjects comprised in the first division may be admitted to examination in the second division at the end of the third winter session.

Provided that candidates who so desire may postpone their examination in Materia Medica and Therapeutics until the close of the summer session following.

XIV. Candidates who have passed their examinations in the subjects comprised in the first and second divisions may be admitted to examination in the third division at the end of the fourth winter session.

Provided that candidates who so desire may postpone their examination in Medical Jurisprudence and Public Health until the close of the summer session following.

XV. Candidates who have passed their examinations in the subjects comprised in the first, second, and third divisions may be admitted to examination in the fourth or final division, when they have completed the fifth year of study.

XVI. If any candidate at these examinations be found unqualified in one or more subjects he shall not again be admitted to examination unless he has pursued his medical studies for such time, and subject to such conditions, as the Faculty of Medicine may prescribe.

XVII. If any candidate at these examinations be found to have passed in one or more subjects with sufficient merit, he shall not be liable to re-examination in such subject or subjects, although he may have been found unqualified in a subject or subjects comprised in the same division as hereinbefore specified.

XVIII. Every candidate must deliver, on or before such day as the Senatus may from time to time determine, to the Dean of the Faculty of Medicine, a declaration, in his own handwriting, that he has completed his twenty-first year, or that he will have completed it on or before the day of graduation, and that he will not be, on the day of graduation, under articles of apprenticeship to any surgeon or other master.

XIX. After the candidate has satisfied the Examiners, the Dean of the Faculty of Medicine shall lay the proceedings before the Senatus, by whose authority the candidate shall be admitted, on such day as the

Senatus may from time to time appoint, to the Degrees of Bachelor of Medicine and Bachelor of Surgery, on payment of the required fees.[1]

XX. Candidates for graduation shall produce evidence of their having conformed to the Regulations which were in force at the time they commenced their Medical Studies.

PROFESSIONAL EXAMINATION FOR THE DEGREE OF DOCTOR OF MEDICINE.

XXI. 1. Subject to the conditions hereinafter specified, the Degree of Doctor of Medicine shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in Practice other than Practice restricted to Surgery.

2. Each candidate for the Degree of Doctor of Medicine shall be required to pass an examination in Clinical Medicine and in such of its special departments as the Senatus, with the approval of the University Court, by Regulations framed from time to time, shall determine; and he may present himself for examination in Clinical Medicine at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

3. Each candidate for the Degree of Doctor of Medicine shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge comprised in the second, third, or fourth examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects which are exclusively Surgical; and the Thesis, accompanied by a declaration signed by the candidate, that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.

4. A Bachelor of Medicine and Bachelor of Surgery, who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such degrees on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to the examination in Clinical Medicine at any period of examination after he has received such Degrees; but the Degree of Doctor of Medicine shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in

[1] For Table of Fees and dates of examinations see page 23.

attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively surgical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

PROFESSIONAL EXAMINATION FOR DEGREE OF MASTER OF SURGERY.

XXII. 1. Subject to the conditions hereinafter specified the Degree of Master of Surgery shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged, subsequently to his having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in practice other than practice restricted to Medicine.

2. Each candidate for the Degree of Master of Surgery shall be required to pass an examination in the following subjects:—Surgical Anatomy, Operations upon the dead body, and Clinical Surgery, and in such of the special departments of Clinical Surgery as the Senatus, with the approval of the University Court, by Regulations framed from time to time, may determine; and he may present himself for examination in these subjects at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

3. Each candidate for the Degree of Master of Surgery shall submit, for the approval of the Faculty of Medicine, a Thesis on any branch of knowledge comprised in the second, third, or fourth Examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects that are exclusively medical: and the Thesis, accompanied by a declaration signed by the candidate that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.

4. A Bachelor of Medicine and Bachelor of Surgery who produces to the Senatus satisfactory evidence of his intention of entering, within twelve months after obtaining such degrees, on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to examination in the subjects specified in Sub-section 2 of this Section, at any period of examination after he has received such Degrees; but the Degree of Master of Surgery shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of

Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in practice which has not been exclusively medical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

Fees.

XXIII. The fee to be paid for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall be twenty-two guineas, and the proportion of this sum to be paid by a candidate at each division of the examination shall be regulated from time to time by the University Court. The fee to be paid for the Degree of Doctor of Medicine shall be ten guineas, exclusive of any stamp duty which for the time may be exigible. The fee to be paid for the Degree of Master of Surgery shall be ten guineas.

Examiners.

XXIV. The Examiners for graduation in Medicine in the University of Glasgow shall be the Professors in that University, together with such Lecturers in the University and such additional Examiners, to be appointed by the University Court, as the University Court shall deem necessary. Provided that the Court shall make such provisions as will ensure that every candidate shall be examined in each subject by at least two Examiners, of whom one shall not be a Professor or Lecturer in the University. The examinations shall be conducted in writing and orally and also clinically, when the nature of the subject admits, under regulations framed by the Senatus subject to the approval of the University Court.

Regulations in Force Previous to 1st January, 1892.

Three Medical Degrees are conferred by this University, viz.:—Bachelor of Medicine (M.B.); Master in Surgery (C.M); and Doctor of Medicine (M.D.); all of which are recognized by the Medical Acts as qualifying for practice throughout the British dominions, and for admission to the Army, Navy, and Public Medical Service.

The Degrees of Bachelor of Medicine and Master in Surgery may be obtained by candidates of the age of 21 years who have complied with the regulations as to Education and Examination.

The Degree of Master in Surgery shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Medicine, nor shall the Degree of Bachelor of Medicine be conferred on any one who does not at the same time obtain the Degree of Master in Surgery.

The following rules and directions apply to the Degrees of Bachelor of Medicine and Master in Surgery:—

PROFESSIONAL EDUCATION.

1. *Duration and Constitution of the Curriculum.*—No one shall be admitted to the Degree of Bachelor of Medicine or Master in Surgery who has not been engaged in medical and surgical study for four years,—the medical session of each year, or *Annus Medicus*, being constituted by at least two courses of not less than one hundred lectures each, or by one such course and two courses of not less than fifty lectures each; but in the case of the Clinical Courses, it shall be sufficient that the lectures be given at least twice a week during the prescribed periods.

One at least of the four years of medical and surgical study above required must be in the University of Glasgow.

Another of such four years must be either in the University of Glasgow, or in some other University entitled to give the Degree of Doctor of Medicine.

Attendance during at least six winter months on the medical or surgical practice of a general hospital which accommodates at least eighty patients, and during the same period on a course of Practical Anatomy, may be reckoned as one of such four years, and to that extent shall be held equivalent to one year's attendance on courses of lectures, as above prescribed.

One year's attendance on the Lectures or Teachers of Medicine in the Hospital Schools of London, or in the School of the College of Surgeons in Dublin, may be reckoned as one of such four years; and to that extent shall be held as attendance on courses of lectures as above prescribed.

Attendance on the lectures of any private Teacher or Teachers of Medicine whose lectures have, by regulation of the University Court, with consent of the Chancellor of the University, been recognized for the purpose of graduation in the University, may be reckoned in place of the year's attendance last above mentioned, or as part thereof, as the case may be.

Candidates may, to the extent of four of the departments of medical study enumerated in "required courses of instruction," attend in such year or years of their medical and surgical studies as may be most convenient to them, the lectures of the Teachers of Medicine specified in the two immediately preceding paragraphs.[1]

All candidates availing themselves of the permission to attend the lectures of private Teachers, and not being at the time matriculated students of the University, must, at the commencement of the year of such attendance, enrol their names in a book kept by the University for that purpose, paying a fee of one-half the amount of the matriculation fee paid by students of the University; but they shall not be thereby entitled to any of the privileges of a matriculated student of the University.

[1] In Provincial Medical Schools where there are no Lecturers recognized by the University Court, a candidate can complete only one *Annus Medicus*, constituted by attendance at a General Hospital accommodating not fewer than 80 patients, along with a course of Practical Anatomy.

The fee for attendance on the lectures of any private Teacher, with a view to graduation, shall not be of less amount than that exigible by Medical Professors of the University for the same course of instruction. (*The fees must be paid at the commencement of the course.*)

No attendance on Lectures shall be reckoned, if the Teacher gives instruction in more than one of the prescribed branches of study, except in those cases where Professors of the University are at liberty to teach more than one branch.

2. *Required Courses of Instruction.*—Every candidate for the Degrees of Bachelor of Medicine and Master in Surgery shall give sufficient evidence by certificates:—

(1.) That he has studied each of the following departments of medical science, viz.:—

ANATOMY,	During courses including not less than one hundred lectures.
CHEMISTRY,	
MATERIA MEDICA and PHARMACY,	
INSTITUTES OF MEDICINE or PHYSIOLOGY,	
PRACTICE OF MEDICINE,	
SURGERY,	
MIDWIFERY and the DISEASES peculiar to WOMEN and CHILDREN; two courses of Midwifery, of three months each,[1] being reckoned equivalent to a six months' course, provided different departments of Obstetric Medicine be taught in each of the courses,	
PATHOLOGICAL ANATOMY, during a three months' course of lectures, together with a supplemental course of Practice of Medicine or Clinical Medicine; or a course of not less than one hundred lectures on General Pathology.	
PRACTICAL ANATOMY,	Six months.
PRACTICAL CHEMISTRY,	Three months.
PRACTICAL MIDWIFERY,	Three months on the indoor practice of a Lying-in Hospital, or presence at not less than twelve labours, at least three of which must be conducted personally by the candidate under the direct supervision of a Registered Practitioner.
CLINICAL MEDICINE,	During courses of six months, or two courses of three months; lectures being given at least twice a week.
CLINICAL SURGERY,	
MEDICAL JURISPRUDENCE,	During courses including not less than fifty lectures.
BOTANY,	
ZOOLOGY WITH COMPARATIVE ANATOMY,	

(2.) That he has attended for at least two years the medical and surgical practice of a general hospital either at Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons.

[1] The Fee for each course of Midwifery of three months is £2 2s.

(3.) That he has attended, during a course of not less than fifty hours' instruction, the class of Practical Materia Medica in the University of Glasgow; or a similar class in a University or School of Medicine, attendance on which is recognized by the Ordinance; or a similar class conducted by a teacher recognized by the University Court under the Ordinance; or that he has been engaged for at least three months, by apprenticeship or otherwise, in compounding and dispensing drugs at the laboratory of an hospital, dispensary, member of a Surgical College or Faculty, of a licentiate of the London or Dublin Society of Apothecaries, or of a member of the Pharmaceutical Society of Great Britain. [Students are recommended to take the class of Pharmacology and Practical Pharmacy in the summer before their attendance on the course of Materia Medica; but attendance on such a course cannot be substituted for attendance on the course of systematic Lectures on Materia Medica, which must be taken before the third Professional Examination.]

(4.) That he has attended for at least six months, by apprenticeship or otherwise, the out-practice of an hospital, or the practice of a dispensary, or of a physician, surgeon, or member of the London or Dublin Society of Apothecaries.

VACCINATION.—The candidate must produce a certificate from a recognized Vaccination department in an hospital, dispensary, or other public institution, that he has performed the operation successfully under the Teacher's supervision; that he is familiar with the different stages of the vaccine vesicle, and with the mode of preserving lymph, and is generally well instructed in the subject.[1]

PROFESSIONAL EXAMINATIONS.

By orders of Her Majesty in Council, dated 13th August, 1877, 23rd August, 1883, 27th January, 1885, and 26th March, 1885, the following are the arrangements for Professional Examinations:—

1. Every candidate for the Degrees of Bachelor of Medicine and Master in Surgery shall be examined both in writing and *viva voce*—first, on Chemistry, Botany, and Natural History; second, on Anatomy and Physiology; third, on Regional Anatomy, and Materia Medica and Pharmacy; and fourth, on Surgery, Clinical Surgery, Medicine, Clinical Medicine, Pathology, Midwifery, and Medical Jurisprudence. The Examination in Chemistry shall include Practical Chemistry; and the Examinations in Anatomy and Physiology shall include Practical Anatomy, Histology, and Practical Physiology; and the Examination in Surgery shall include Operative Surgery.

2. Students may appear for examination in the first of the foregoing divisions of subjects who have completed their attendance on the required courses during one winter and one summer session: provided always that students shall not be admitted to such ex-

[1] The recognized Vaccine Departments in Glasgow are—Western Infirmary, Royal Infirmary, and Faculty of Physicians and Surgeons.

amination at an earlier date than the period of examination immediately preceding their second winter session of professional study; and that students who commenced their medical studies in the summer session shall not be admitted to a degree in medicine unless their course of study, subsequent to the completion of the summer session in which they commenced their medical studies, shall not be less than the minimum course of four years prescribed by this Ordinance.

3. Students who have passed the first examination may appear for examination in the second division of subjects, after having completed their attendance on the requisite courses (including those of the subjects of examination) after the lapse of two winter and three summer sessions from the time of the commencement of their studies; provided always that students who have commenced their medical studies with a winter session may appear for examination in the second division of subjects, after the lapse of two winter and two summer sessions from the time of the commencement of their studies.

4. Students who have passed the two previous examinations may appear for examination in the third division of subjects at any of the terms fixed for examination by the Senate, after the conclusion of the third winter session of attendance upon Medical Classes (including those of the required subjects).

5. Students who have passed the examinations in the subjects of the three previous divisions may appear for examination in the subjects of the fourth division at the first term for the final examination after the conclusion of their curriculum of study.

In addition, the following regulations will be observed :—

1. The examinations shall be conducted by written papers and by oral examinations. A practical knowledge of the subject is also required.

2. Candidates must produce certificates of satisfactory attendance on the courses belonging to each division before presenting themselves for these examinations, and no candidate is allowed to enrol himself for the Second, Third, or Fourth examination without having passed the immediately preceding examination.

3. Previous to appearing for the final examination, the candidate must produce a declaration in his own handwriting that on the day of graduation he will have completed his twenty-first year and will not be under articles of apprenticeship.

4. At the professional examinations candidates will as far as possible be examined orally in the alphabetical order of their surnames.

5. If any candidate, on examination, be found unqualified, he shall not be again admitted to examination unless he shall have completed another year of medical study, or such portion of another year as may be fixed by the Examiners when he is found unqualified.

6. Every candidate must matriculate at the University for the year in which he enters for professional examination or for graduation.

The examinations are conducted by the Professors of the Faculty of Medicine, together with the other Examiners appointed by the University Court.

DEGREE OF DOCTOR OF MEDICINE.

The Degree of Doctor of Medicine may be conferred on any candidate who has obtained the degree of Bachelor of Medicine, and is of the age of twenty-four years, and has been engaged, subsequently to his having obtained the degree of Bachelor of Medicine, for at least two years in attendance on an hospital, or in the Military or Naval medical service, or in medical or surgical practice: Provided always that the degree of Doctor of Medicine shall not be conferred on any person, unless he be a graduate in Arts within the fifth section of the Ordinance, or unless he shall have passed a satisfactory examination in Greek, and in Logic or Moral Philosophy, and in one, at least, of the following subjects—namely, French, German, Higher Mathematics, Natural Philosophy, and Natural History. Provided also that each candidate for the degree of Doctor of Medicine shall present an Inaugural Dissertation composed by himself to be approved by the Senatus Academicus. Such Dissertations or Theses[1] must be lodged with the Assistant-Clerk (Matriculation Office), on or before 20th March, 20th June, or 20th October. No Thesis will be approved of unless it gives evidence of original observation, or, if it deal with the researches of others, gives a full statement of the literature of the question, with accurate references and critical investigation of the views or facts cited: mere compilations will in no case be accepted. The fees for the Degree of M.D. amount to £15 8s. (including the sum of £10 3s. for Government stamp, etc.).

[1] Candidates are requested to have their Theses bound before sending them in.

Table of Examinations for Degrees in Medicine to be held during Session 1893-94.

Examination.	Names to be given in and Fees paid to Assistant-Clerk (Matriculation Office). Date.[1]	Fee.[2]	Dates of Written Examinations and Hours at which the different Papers will be set. Printed Schedules with detailed instructions for filling up may be obtained from the Assistant-Clerk (Matriculation Office). The Professional Oral Examinations follow immediately after the Written.			
First Professional,	21st Sept., 1893,	£5 5 0[3]	Mon., 9th Oct., 1893,	Zoology - - - at 10 a.m.	Botany - - at 12.30 p.m.	Chemistry at 3 p.m.
			Tues., 10th ,, ,,	Physics - - - at 10 a.m.		
Second Professional,	21st Sept., 1893,	5 5 0[3]	Tues., 10th ,, ,,		Physiology - at 12.30 p.m.	Anatomy at 3 p.m.
Third Professional,	21st Sept., 1893,	5 5 0	Wed., 11th ,, ,,	Regional Anatomy at 10 a.m.	Materia Medica at 12.30 p.m.	Pathology at 3 p.m.
First Professional,	7th March, 1894,	5 5 0[3]	Tues., 27th Mar., 1894,	Zoology - - - at 10 a.m.	Botany - - at 12.30 p.m.	Chemistry at 3 p.m.
			Wed., 28th ,, ,,	Physics - - - at 10 a.m.		
Second Professional,	7th March, 1894,	5 5 0[3]	Wed., 28th ,, ,,		Physiology - at 12 30 p.m.	Anatomy at 3 p.m.
Third Professional,	7th March, 1894,	5 5 0	Thurs., 29th ,, ,,	Regional Anatomy at 10 a.m.	Materia Medica at 12.30 p.m.	Pathology at 3 p.m
Final Professional,	15th May, 1894,	5 5 0	Mon., 11th June (*Clinical Examinations begin*).		Fri., 6th July (*Operative Surgery Examination begins*).	
			Mon., 9th July, ,,	Materia Medica at 10 a.m.	Medical Jurisprudence at 1 p.m.	
			Tues., 10th ,, ,,	Practice of Medicine at 10 a.m.	Pathology - - at 1 p.m.	
			Wed., 11th ,, ,,	Surgery - - - at 10 a.m.	Midwifery - - at 1 p.m.	
			The Oral Examinations will begin about the 12th July.			

[1] When Names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the Candidate can be enrolled for examination. A Candidate is not held to be enrolled for examination until his Name is entered, the Fee paid, and all the necessary Certificates, etc., lodged.

[2] In the event of a Candidate being rejected in a Professional Examination, he may be admitted once to re-examination without payment of further examination fee, but for a second and for each subsequent re-examination (if any) a Special Fee of £2 2s. will be charged.

[3] For Candidates under the New Ordinance the Fee will be £6 6s.

For dates in regard to Medical Preliminary Examination, see page 28.

DIPLOMA IN PUBLIC HEALTH.

The following regulations as to instruction in Public Health and as to examinations for the Diploma in Public Health prepared by the Senate have received the sanction of the University Court :—

I. The University provides instruction in Public Health by Laboratory training and otherwise.

II. The subjects of instruction are :—
Duties of Health Officer, Air and Ventilation, Food and its Adulterations, Water and Water Supply, Sewerage and Drainage ; Construction of Hospitals, Public Buildings, and Dwellings ; Overcrowding, Manufactories, Insalubrious Trades, Cemeteries, Nuisances, Quarantine, Disinfectants and Deodorizers, Outbreaks of Zymotic Diseases ; Climate, Topographical and Seasonal : its influences in relation to Health and Disease ; Geographical Distribution of Diseases ; Knowledge of leading Sanitary Acts of Parliament, Vital Statistics.

III. The Laboratory training is provided in a special department of the Chemical Laboratory. Practical instruction is given in the following subjects :—

(*a*) *Water.*—Qualitative examination : Colour, odour, and suspended matters. Quantitative examination : ammonia, albuminoid ammonia, nitric and nitrous acids, sulphuric and phosphoric acids, chlorine, total solids, lime, magnesia, alkalies, silica in solution, the hardness before and after boiling ; Clark's process for softening water ; explanations and illustrations of methods employed to purify water by chemical processes and by filtration.

(*b*) *Air.*—Qualitative and quantitative examination for gaseous impurities and suspended matters.

(*c*) *Water and Air.*—Bacteriological methods of examination. Micro-organisms, moulds, and fungi, and their identification. Pure cultures.

(*d*) *Soils.*—Nature and examination of soils ; ground-water, sewage.

(*e*) *Antiseptics and Disinfection.*—The relative value of various antiseptics and disinfectants and the methods of employing them.

(*f*) *Foods.*—Quantitative examination of milk, butter, tea, coffee, sugar, alcoholic beverages, aerated waters for poisonous substances. Qualitative examination of bread and flour, of cereal, farinaceous, and other food substances and condiments ; chemical and microscopic examination

for common adulterations, colouring matters, animal organisms, and poisonous substances; examination of food substances for fungoid growths, and poisonous substances resulting from the same.

IV. The Diploma in Public Health may be obtained by any Bachelor of Medicine of this University on his passing the required examination not less than twelve months after he has taken the degree of M.B.

V. Every candidate for a Diploma in Public Health shall give sufficient evidence by certificates:—

1. That after obtaining the Degree of M.B. he has undergone the practical training provided under Regulation III.

2. That he has, after obtaining the degree of M.B., practically studied for six months the duties of out-door Sanitary work under the Medical Officer of Health of a County or large Urban District.

VI. The examination shall be written, practical, and oral. The subjects of examination are as follows:—

A. Physics, Meteorology, and Climatology, with special reference to Heat and Ventilation, Water supply, Drainage, and the Geographical distribution of Disease.

B. Chemistry and Biology.—The composition and analysis (qualitative and quantitative) of Air, Water, and Sewage; detection of poisons and recognition of injurious pigments; the composition and adulteration of foods and beverages; diseased and putrid food; Bacteriology; microscopic examination of Air, Water, Foods, and Beverages.

C. General Hygiene.—Duties of Medical Officer of Health; Nature and Construction of Dietaries; Sanitary arrangements of Houses, Hospitals, Workshops, Factories, Towns, including Interpretation of Plans; Ventilation, Water Supply, Sewerage, Disposal of the Dead; Ætiology, Prophylaxis, and Control of Infectious Diseases; Unhealthy occupations; Practical examination and written report on some selected area or premises.

D. Sanitary Law and Vital Statistics—Laws relating to Public Health, Vaccination, and Registration of births, marriages, and deaths; Methods and results of Vital Statistics, chiefly in relation to the birth, marriage, and death rate of communities.

VII. The Fee for the course of instruction shall be £10 10s., and for the Examination £5 5s.

GRADUATION.

The terms for conferring Medical and Surgical Degrees in Session 1893-94 are 9th November, 1893; 8th February, 1894; 13th April, 1894; and 26th July, 1894.

Candidates proceeding to Graduation, if not already Members of the General Council of the University, are required by the Act, 44 and 45 Vict. Ch. 40, to pay to the Registrar of the General Council the Registration Fee, and furnish to him the particulars required for their enrolment in the General Council. This should in all cases be done at least two clear days before the day of Graduation.

In accordance with the Promissory Oaths Act, 1868, a Declaration in the following English form is now substituted for the Latin Oath, or Sponsio Academica, formerly required to be taken and subscribed by every candidate on Graduation:—

I do solemnly and sincerely declare, that, as a Graduate in Medicine of the University of Glasgow, I will exercise the several parts of my profession, to the best of my knowledge and abilities, for the good, safety, and welfare of all persons committing themselves, or committed to my care and direction; and that I will not knowingly or intentionally do anything or administer anything to them to their hurt or prejudice, for any consideration, or from any motive whatever. And I further declare, that I will keep silence as to anything I have seen or heard while visiting the sick which it would be improper to divulge. And I make this solemn declaration in virtue of the Provisions of the Promissory Oaths Act, 1868, substituting a Declaration for Oaths in certain cases.

REGISTRATION OF MEDICAL PRACTITIONERS.

Graduates should register as soon as possible with the Branch Registrar for Scotland, at 1 George Square, Edinburgh. Fee £5 1s. Additional Qualifications, 5s. each. Forms of application may be had from the Assistant-Clerk (Matriculation Office).

The following is a more detailed notice of the Preliminary Examination for September-October, 1893, referred to at page 8.

1. English, including Grammar, Composition, Literature, Geography, and History.

(A) Grammar will include Analysis, Parsing, Derivation, and Correction of Sentences.

(B) Composition will include an Essay and Paraphrasing.

(c) Literature will include a general knowledge of the life and works of the greater writers, and a more special knowledge of Shakespeare's "Macbeth" and "As You Like It," and Scott's "Antiquary" and "Old Mortality."[1]

(D) Geography will include a general knowledge of the Geography of the World, and a special knowledge of the Geography of the British Empire.

(E) History will include a knowledge of the Outlines of the History of both England and Scotland to the Accession of James VI.[2]

N.B.—The papers set in English will be of a lower standard than those set in the Arts Preliminary Examination.

2. LATIN, comprising Grammatical Questions, Translation into English from Latin Authors not previously prescribed, and Translation of plain passages or easy sentences from English into Latin.

N.B.—The papers set in Latin will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

3. MATHEMATICS, comprising (1) Arithmetic, including Vulgar and Decimal Fractions, Proportion, Percentage, Square Root, Simple Interest; (2) Algebra, including Fractions, Factors, Square Root, Equations of the First Degree, Simultaneous Equations of the First Degree, Easy Quadratic Equations, Problems leading to the above Equations; (3) Geometry—Euclid, Books I., II., and III. (or their equivalents), with easy deductions. Demonstrations other than Euclid's will be accepted if they assume no propositions which in Euclid's order are subsequent to the proposition under consideration.

N.B.—The papers set in Mathematics will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

4. ONE OF THE FOLLOWING SUBJECTS:—

(A) GREEK, comprising Grammatical Questions, Translation into English from Greek Authors not previously prescribed, and Translation of plain passages or easy sentences from English into Greek.

N.B.—The papers set in Greek will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

[1] For April and October, 1894, the special subjects will be Shakespeare's "Merchant of Venice" and Scott's "Kenilworth."

[2] For April and October, 1894—From the accesion of James VI. to the union of the kingdoms.

(B) FRENCH, comprising Questions in Grammar, Translations, a piece of English for translation, and some short sentences.

N.B.—The papers set in French will be of a lower standard than those set in the Arts Preliminary Examination.

(C) GERMAN, comprising Questions in Grammar, Translations, a piece of English for translation, and some short sentences.

N.B.—The papers set in German will be of a lower standard than those set in the Arts Preliminary Examination.

Candidates are requested specially to note—

(1) THAT THE ENTIRE EXAMINATION MUST BE PASSED AT ONE AND THE SAME TIME.

(2) THAT THE EXAMINATIONS IN LATIN, GREEK, FRENCH, AND GERMAN, WILL BE WHOLLY ON "UNSEEN" BOOKS, NO SPECIAL AUTHORS HAVING BEEN PRESCRIBED BY THE JOINT BOARD.

The Examinations will take place as follows :—

SATURDAY, 30th SEPTEMBER.

Latin (1st paper), - - - -	10 a.m. to 12 noon.
Latin (2nd paper), - - - -	1 to 3 p.m.
Latin (3rd paper), - - - -	3.30 to 4.30 p.m.

MONDAY, 2nd OCTOBER.

Mathematics, - - - - -	10 a.m. to 1 p.m.

TUESDAY, 3rd OCTOBER.

English (1st paper), - - - -	10 a.m. to 12 noon.
English (2nd paper), - - - -	1 to 3 p.m.
French, - - - - - -	3 to 6 p.m.

WEDNESDAY, 4th OCTOBER.

Greek (1st paper), - - - -	10 a.m. to 12 noon.
Greek (2nd paper), - - - -	12.30 to 2.30 p.m.

THURSDAY, 5th OCTOBER.

German, - - - - - -	12 noon to 3 p.m.

The Fee for the Examination is 10s. 6d., payable on each occasion of entering. Forms of Application for admission to the Examinations may be had, after 1st September, from Mr. W. INNES ADDISON, Assistant Clerk, Matriculation Office. THE LAST DAY FOR RECEIVING NAMES IS 14TH SEPTEMBER, 1893.

The results will not be known till, at earliest, 15th October.

For the Examination in September—October, 1893, the following Examinations will be accepted, provided that the entire subjects required have been passed at one and the same time :—

OXFORD.—Responsions ; Moderations.

CAMBRIDGE.—Previous Examination ; Oxford and Cambridge Schools' Examinations.

LONDON.—Matriculation Examination of the University of London.

DUBLIN, TRINITY COLLEGE.—Public Entrance Examination.

ROYAL UNIVERSITY OF IRELAND.—Entrance Examination.

VICTORIA UNIVERSITY.—The Preliminary Examination ; the Entrance Examination in Arts.

Under the same proviso, the Examinations of Indian, Colonial, and Foreign Universities and Colleges accepted by the General Medical Council will also be accepted.

BURSARIES IN CONNECTION WITH THE FACULTY OF MEDICINE.

BURSARIES IN THE FACULTY OF MEDICINE.

FOUNDATION.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
Arthur,	1	3	£25
Brisbane,	1	4	£42
Davidson,	1	3	£40
Malcolm Kerr (Chem.),	1	3	£18
Logan,	1	4	£16
Lorimer,	4	3	£25 and £20
Macarthur,	1	2	£20
Macfarlane, John,	1	3	£40
Mackintosh,	1	1	£30
Marshall,	1	4	£17
Merchants' House,	2	4	£25
Monteith, John,	2	2	£21
Paterson, James A.,	4	4	£30
Rainy,	2	2	£20
Walton,	1	4	£36
Weir, Andrew,	1	1	£18
BURSARY IN THE FACULTIES OF ARTS, LAW, OR MEDICINE.			
Macdonald,	2	4	£14
BURSARIES IN THE FACULTIES OF THEOLOGY, LAW, OR MEDICINE.			
Armagh,	3	3	£25
Old Library,	1	4	£11 2/2¾

PRIZES IN THE FACULTY OF MEDICINE.

Senior Arnott Prize, - - -	£25	awarded	annually.
Junior Arnott Prize, - - -	£15	,,	,,
Brunton Memorial Prize, - -	£10	,,	,,
Dobbie-Smith Gold Medal, - -		,,	biennially.

John Reid Prize, £25 tenable for one or more years.

The following Bursaries, Fellowships, and Scholarships are tenable by Students of Medicine:—Armagh Bursaries, Denny Bursaries, James Ferguson Bursaries, John Gibson Bursaries, Old Library Bursary, Macdonald Bursaries, Taylor Bursaries, George A. Clark Scholarships, John Clark (Mile-End) Scholarships, Eglinton Fellowships, William Euing Fellowships, Luke Fellowship, and Scott Scholarship. (*See University Calendar.*)

BURSARIES AND PRIZES IN MEDICINE.

Open to competition during Session 1893-94.

1. *Mackintosh Bursary*, annual value about £30, tenable for one year, open to medical students who have attended the Lectures on Insanity.

2 and 3. *Lorimer Bursaries*, annual value £20, tenable for three years, open to medical students entering on their second session.

4. *Rainy Bursary*, annual value £20, tenable for two years, open to students entering on their third session of medical study.

5. *Macfarlane Bursary*, annual value about £40, tenable for three years, open to medical students entering on their second session.

6. *Logan Bursary*, annual value £15, tenable for four years. Candidates are required to undergo the Competitive Examination in Arts subjects for Bursaries held at opening of session.

7. *James A. Paterson Bursary*, annual value £30, tenable for four years, open to students entering on their second session of medical study. Examination in Mathematics and Natural Philosophy.

8. *John Monteith Bursary*, annual value about £20, tenable for two years, will be awarded in November to the student who gains the highest number of marks in Anatomy and Physiology in April and October, 1893.

9. *Andrew Weir Bursary*, annual value £18, tenable for one year, will be awarded in November in accordance with results of Second and Third Professional Examinations.

10. *Junior Arnott Prize*, of about £15, for an examination in General Physics, open to students of the first and second years of their medical studies.

11. *Senior Arnott Prize*, of £25, for an examination in Physiological Physics, open to students of the third and fourth years of their medical studies.

12. *Brunton Memorial Prize*, of about £10, is given to the most distinguished graduate in medicine of the year.

Dates of Examinations.

The Examinations for the Bursary No. 1 in the above list will be held early in July; for Nos. 2 to 5 inclusive, on Monday and Tuesday, 9th and 10th October, at ten A.M. each day; for No. 6, on Saturday, 30th September, Monday, 2nd October, and two following days; for No. 7, on Friday and Saturday, 27th and 28th October, at ten A.M. each day; and for the Prizes Nos. 10 and 11, on Saturday, 28th October, at two P.M.

Dates for sending in Applications.

Candidates for the Bursary No. 1 are required to give in their names to the Assistant Clerk (Matriculation Office), not later than 15th June; for Bursaries 2 to 6 inclusive, not later than 21st September; for Bursary No. 7, and for Prizes 10 and 11, not later than 2nd October.